

DEMIDOVA, A.N.; BYSTROVA, N.V.

Star scintillation and limb deformations of extended celestial bodies.
Astron.tsir. no.232:12-13 D '62. (MIRA 16:4)

1. Glavnaya astronomicheskaya observatoriya AN SSSR.
(Stars—Scintillation) (Moon—Observations)

ACCESSION NR: AT4012205

S/2797/63/023/002/0115/0117

AUTHOR: Demidova, A. N.; By*strova, N. V.

TITLE: Observation of the lunar limb and the motion of shadow band patterns

SOURCE: Pulkovo. Astron. observ. Izvestiya, v. 23, no. 2(173), 1963, 115-117

TOPIC TAGS: astronomy, moon, lunar limb, moon shadow, moon shadow band, moon libration

ABSTRACT: It is possible to calculate the heights of various layers of the atmosphere from the deformation of the edge of the sun. This method was used in 1961-1962 at the Pulkovo Observatory to calculate the heights of various layers at night through observation of the motion of shadows of the edge of the moon. For this purpose a telescope with a 110 mm disk, $F=1300$ mm was used, which covered the entire face of the moon. Observations were made of the movement of shadows on the deformed moon limb. The observed angle of the shadows was compared with a detailed map of the moon axel. The maximum change, because of the libration, was approximately 5° . By knowing the speed and direction of the motion of the atmosphere at various heights, it was possible to calculate the passage of the moon edge for each layer. From the difference between the calculated and observed value of the azimuth, the heights of the atmosphere layers were found. Orig. art. has: 2 figures. Card 1/2

ACCESSION NR: AT4012205

ASSOCIATION: Astronomicheskaya observatoriya, Pulkovo (Astronomical Observatory)

SUBMITTED: 00

DATE ACQ: 27Feb64

ENCL: 00

SUB CODE: AA

NO REF SOV: 002

OTHER: 003

Card 2/2

KUCHEROV, N.I., kand. fiz.-mat. nauk, otv.red.[deceased];
MEL'NIKOV, O.A., red.; OBUKHOV, A.M., red.; DEMIDOVA,
A.N., red.; KOLCHINSKIY, I.G., red.; TATARSKIY, V.I.,
red.

[Optical instability of the earth's atmosphere] Opti-
cheskaia nestabil'nost' zemnoi atmosfery. Moskva,
Nauka, 1965. 170 p. (MIRA 18:7)

1. Akademiya nauk SSSR. Astronomicheskii sovet. 2. Chlen-
korrespondent AN SSSR (for Mel'nikov, Obukhov).

L 15307-66 EWT(1) GS/GW

ACC NR: AT6003706

SOURCE CODE: UR/0000/65/000/000/0030/0031

AUTHORS: Bystrova, N. V.; Demidova, A. N.

49

ORG: none

47

B+1

TITLE: The effects of atmospheric disturbances on an image of extended celestial sources

SOURCE: AN SSSR, Astronomicheskii soviet, Opticheskaya nestabil'nost' zemnoy atmosfery (Optical instability of the earth's atmosphere). Moscow, Izd-vo Nauka, 1965, 30-31

TOPIC TAGS: atmospheric disturbance, atmospheric stratification, scintillation, *atmospheric refraction*

ABSTRACT: This article lists some conclusions drawn from previously published discussions by the authors (Soln. dannyye, No. 11, 1960; Izv. GAO, No. 169, 89, 1961) concerning a method for determining the height of atmospheric layers causing disturbance of images of extended celestial sources. Daytime observations show that atmospheric layers deforming the image of the sun's border occur at heights of 0.3 to 2.5 km, the average being 1.5 km. Nighttime observations of the moon's edge show the disturbing layer to occur at heights of 1.5 to 9 km, the average being 4.5 km. It is found that atmospheric inhomogeneities, as determined by observing the edge of the sun, occur at the same heights as elevated air layers with abrupt changes in refractive indices, layers that have a very definite effect on long-range tropospheric

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L 15307-66

ACC NR: AT6003706

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propagation of ultra-short radio waves. Other common features are the existence of disturbing layers independent of the presence or absence of visible clouds and the possible relations to inversion layers. The authors conclude that scintillation of stars is caused by the same atmospheric layer that causes directed displacement of distortions on the image of the moon's border.

SUB CODE: 04/

SUBM DATE: 15 May 65/

ORIG REF: 006

Astronomy 12, 55

Card 2/2 me

L 54958-65 RMH
ACCESSION NR: AP5014159

UR/0081/65/038/005/1038/1043
621.352+546.60

AUTHOR: Kuz'mina, A. V.; Damidova, A. N.

TITLE: Galvanic cell with an aluminum anode activated by an alkaline hypochlorite solution

SOURCE: Zhurnal prikladnoy khimii, v. 38, no. 5, 1965, 1038-1043

TOPIC TAGS: galvanic cell, alkaline cell, hypochlorite, electrolytic cell anode, electrochemistry, electrolyte, cathode polarization, anode polarization

ABSTRACT: The possibility of producing short-lived galvanic cells with high electromotive force and based on materials having a low electrochemical equivalent was investigated. The cathodic and anodic polarizations were studied using a 25 ml. glass container with two platinum electrodes and an aluminum electrode (1.5 x 1.5 cm) located between them. A solution of potassium hydroxide saturated with chlorine at a temperature below 10°C was used as the alkaline hypochlorite electrolyte. Polarization of the platinum electrode in alkaline hypochlorite solution (in volts in reference to a hydrogen electrode) was measured at 1, 10, 20, 40 and 60 minutes operation for various current densities and KOH concentrations. Polarization of

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L 54958-65

ACCESSION NR: AP5014159

the aluminum anode was measured under identical conditions and the current efficiencies were determined. A cell with a voltage of 1.5 to 1.7 volts (current density 0.005 a/cm²) lasting for about 30 minutes results from a combination of an aluminum anode and an inert cathode activated with an electrolyte containing 250 g/l of KOH and 195 g/l of KClO. Orig. art. has: 3 tables, 6 figures, and 2 formulas.

ASSOCIATION: Ivanovskiy khimiko-technologicheskii Institut (Ivanovo Institute of Chemical Technology)

SUBMITTED: 18Mar63

ENCL: 00

SUB CODE: EM

NO REF SOV: 003

OTHER: 003

Card 2/2

DEMIDOVA, A.V.

Treatment of erythremia with radioactive phosphorus considered in relation to late results. Probl. gemat. i perel. krovi 3 no.6: 31-37 N-D '58. (MIRA 12:7) .

1. Iz 3-y kafedry terapii (zav. - chlen-korrespondent AMN SSSR prof. I.A. Kassirskiy) Tsentral'nogo instituta usovershenstvovaniya vrachey.

(ERYTHREMIA) (PHOSPHORUS--ISOTOPES)

KASSIRSKIY, I.A., prof.; ~~DEMIDOVA, A.Y.~~

Current clinical and pathomorphological problems in erythemia. Probl. gemat. i nerel. krovi 4 no.5:3-13 My '59. (MIRA 12:7)

1. Iz III Kafedry terapii (zav. - chlen-korrespondent AMN SSSR prof. I.A. Kassirskiy) Tsentral'nogo instituta usovershenstvovaniya vrachey.
2. Chlen-korrespondent AMN SSSR (for Kassirskiy).
(POLYCYTHEMIA VERA, case reports,
pathol. aspects (Rus))

ABRAMOV, M.G., dotsent; DEMIDOVA, A.V.

Trephine biopsy as a method for the diagnosis of erythremia and for the investigation of its pathomorphodynamics. Probl.gemat. i perel. krovi 4 no.9:40-46 S '59. (MIRA 13:1)

1. Iz III kafedry terapii (zav. - chlen-korrespondent AMN SSSR prof. I.A. Kassirskiy) TSentral'nogo instituta usovershenstvovaniya vrachey. (POLYCYTHEMIA VERA pathol.)

DEMIDOVA, A.V.

Treatment of erythemia with radioactive phosphorus taking into
account its late results. Nauch. rab. asp. i klin. ord. no.6:
31-39 '60. (MIRA 14:12)

1. III kafedra terapii (zav. chlen-korrespondent AMN SSSR prof.
I.A.Kassirskiy) Tsentral'nogo instituta usovershenstvovaniya
vrachey.

(ERYTHREMIA)

(PHOSPHORUS—ISOTOPES)

ALEKSEYEV, G.A., prof.; BAGDASAROV, A.A., prof.[deceased]; BEYER, V.A., prof.; VOGRALIK, V.G., prof.; DEMIDOVA, A.Y., kand. med. nauk; DUL'TSIN, M.S., prof.; ZAKRZHEVSKIY, Ye.B., prof.; KONCHALOVSKAYA, N.M., prof.; KASSIRSKIY, I.A., prof.; KOST, Ye.A., prof.; LOGINOV, A.S., kand. med. nauk; NESTEROV, V.S., prof.; SHERSHEVSKIY, G.M., prof.; YANOVSKIY, D.N., prof.; MYASNIKOV, A.L., prof., otv. red.; TAREYEV, Ye.M., prof., am. otv. red.; SHAPIRO, Ya.Ye., red.; LYUDKOVSKAYA, N.I., tekhn. red.

[Multivolume manual on internal diseases]Mnogotomnoe rukovodstvo po vnutrennim bolezniam. Otv.red. A.L.Miasnikov. Moskva, Medgiz. Vol.6. [Diseases of the blood system and hemopoietic organs]Bolezni sistemy krovi i krovotvornykh organov. 1962. 700 p. (MIRA 15:12)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Bagdasarov, Myasnikov, Tareyev). 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Kassirskiy).

(BLOOD--DISEASES)

(HEMOPOIETIC SYSTEM--DISEASES)

DEMIDOVA, A. V., kand. med. nauk; CHERNYSHEVA, N. N.

Differential diagnosis of erythremia and secondary erythrocytoses. Terap. arkh. 34 no.4:3-10 '62. (MIRA 15:6)

1. Iz 3-y kafedry terapii (zav. - chlen-korrespondent AMN SSSR prof. I. A. Kassirskiy) Tsentral'nogo instituta usovershenstvovaniya vrachey.

(ERYTHREMIA) (DIAGNOSIS, DIFFERENTIAL)

DEMIDOVA, A.V.

Some aspects of interrelations between erythremia and myelofibrosis.
Probl. gemat. i perel. krovi 9 no.3:3-11 Mr '64.

(MIRA 17:10)

1. 3-ya kafedra terapii (zav.-- deystvitel'nyy chlen AMN SSSR
prof. I.A. Kassirskiy) Tsentral'nogo instituta usovershenstvovaniya vrachey, Moskva.

✓ USSR / Human and Animal Physiology. Respiration.

T

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 70217

Author : Demidova, A. V.

Inst : Kirghiz Agricultural Institute

Title : Studies of the Oxidative Properties of the Blood in Cattle,
Taking into Account the Reactivity of the Organism in
Various Seasons

Orig Pub : Tr. Kirg. s.-kh. in-ta, 1956, No 9, 95-100

Abstract : Studies of curves of $HgbO_2$ dissociation and of erythrocyte count and Hgb level, as well as of activity of catalase and peroxidase, made on cattle in different seasons of the year, showed differences which depended on the type of reactivity of the organism of the animal. In cows with the mobile type of nervous system, as compared with those of the inert type, in all seasons of the year, the dissociation curve for $HgbO_2$ revealed a somewhat greater ability of the

Card 1/2

✓ USSR / Human and Animal Physiology. Respiration.

T

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 70217

blood to bind O_2 in the lungs and to release it more readily in the tissues; the catalase and peroxidase possessed greater activity, and there was a slightly greater erythrocyte count and higher Hgb level in the blood. Within each group of animals the oxygen-binding capacity of the blood was highest in spring and lowest in winter. -- R. A. Ioffe

Card 2/2

DEMIDOVA, A. V., Cand Bio Sci —(diss) "Investigation of the
oxidative properties of blood in cattle considering the
reactivity of the organism in the various seasons of the year,"
Alma-Ata, 1959, 17 pp, 200 cop. (Alma-Ata Zooveterinary Institute)
(KL,,42-60, 112)

DENIDOVA, A. Z.

"Relation between the Dosage of X-rays and Mutations of single genes in *Drosophila Melanogaster*." (p. 541) by Heptner, M. A.; and Demidova, A. Z.

SO: Biological Journal (Biologicheskii Zhurnal) Vol. V, 1935, No. 3

DEMIDOVA, E. K., SMIRNOVA, L. A., SHDURKO, E. D., KHUNDANOVA, L. E.
and KUPSEVICH, E. N. (Irkutsk State Scientific-Research Anti-plague
Institute of Siberia and the Far East)

"Combined therapy of experimental melioidosis"

Veterinariya, Vol. 38, no. 10, October 1961, pp. 55

DEMIDOVA, E. K - no affil

DE IDL DUNA, E.V.
POLOZOV, I.T.; DEMIDOVA, E.V.

A well-known Kara-Kalpak cotton grower. Nauka i pered.op.v sel'khoz.
7 no.1:70-71 Ja '57. (MLRA 10:2)
(Kara-Kalpak--Cotton growing) (Musaev, Shamurat)

KRAPIVIN, V.A., inzh.; DEMIDOVA, G.A.; SVININNIKOV, I.N.

Low-melting glazes made of raw materials not in short supply.
Stek. i ker. 22 no.12:29 D '65. (MIRA 18:1)

1. Nauchno-issledovatel'skiy institut khudozhestvennoy
promyshlennosti.

COUNTRY : USSR M
 CATEGORY : CULTIVATED PLANTS. General Problems.
 ABS. JOUR. : REF ZHUR - BIOLOGIYA, NO. 4, 1959, No. 15542
 AUTHOR : Palilov, A.I.; Demidova, G.F.; Ivashkevich, T.M.
 INST. : Belorussian University
 TITLE : The Time of Greatest Effectiveness of Supplementary Pollination of Self-pollinating Crops.
 ORIG. PUB. : Uch. zap. Belorussk. un-t, 1957, vyp. 37, 223-225
 ABSTRACT : In 1955 with supplementary pollination of narrow-leaved lupine with the pollen of another variety of the same species in the fully opened flower stage, the setting of seeds amounted to 186 % in comparison with free pollination, the insemination of the beans 106 %, the weight of 1000 seeds 115 % and the total mass of formed seeds 238 %, and in the closed flower bud phase these indices were 171, 99, 102 and 195 % respectively. Pre-pollination in the loose flower bud phase

CARD: 1/6

COUNTRY
CATEGORY

CULTIVATED PLANTS.

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ABS. JOUR.

REF ZHUR - BIOLOGIYA, NO. 4, 1959;

AUTHOR

NO. 15542

INST.

TITLE

ORIG. PUB. :

ABSTRACT

: late-closed and early flower buds reduced the seed formation by 44 to 78 %. In case of pre-pollination of white lupine with narrow-leaved in the open blossom stage with the vexillum turned strongly backward, the percentage of seeds kept until harvesting was increased threefold, the insemination by 15 %, the seed size by 58 %, the total weight of seeds by 2½ times; with opening of the petals and : straight position of the vexillum the seeds kept

CARD:

3/6

COUNTRY :
CATEGORY : CULTIVATED PLANTS.

M

AES. JOUR. : REF ZHUR - BIOLOGIYA, NO. 4, 1959,

AUTHOR :

NO. 15542

INST. :

FILE :

ORIG. PUB. :

ABSTRACT : of the mother flower in the early stages of the process of seed formation. The foreign pollen does not participate in forming the zygote and entire embryo of the seed, but rather in the process of their later development into seeds. The increase in the number of retained seeds must apparently be connected not with an increase of setting but with a reduction of shattering of ovaries. The principle of the greatest effectiveness of

CARD: 5/6

L 1/7/11-63.
RM/KW/JD

ENP(j)/EPF(o)/ENP(q)/ENT(m)/BDS AFPTC PC-4/Pr-4

ACCESSION NR: AP3004063

S/0076/63/037/007/1549/1556 78
69

AUTHORS: Slavinskaya, N. A.; Gribova, Ye. I.; Denidova, G. G.; Kamenetskaya, S. A.; Pshezhetskiy, S. Ya.

TITLE: Effect of ozone²¹ on the kinetics of butane oxidation

SOURCE: Zhurnal fizicheskoy khimii, v. 37, no. 7, 1963, 1549-1556

TOPIC TAGS: ozone, butane, oxygen

ABSTRACT: The effect of ozone on the kinetics of butane oxidation with oxygen has been investigated. In a previous experiment, an investigation was made of the effect of ozone on the critical ignition point of some hydrocarbons. Ozone accelerates the reaction, shortens the induction period, lowers the effective activation energy, and increases chain branching. The effect of ozone is mainly associated with the facilitation of the generation of the initial active centers. Its effect on the butane oxidation kinetics is in agreement with the experimental data obtained previously with the ignition of butane-oxygen mixtures. During the oxidation of butane with ozone at an elevated temperature, the main reaction is the decomposition of ozone and the reaction of butane with the atomic oxygen resulting from the above decomposition: $C_4H_{10} + O_3 \rightarrow C_4H_9O + H_2O$. Orig. art. has:

Card 1/2

L 17711-63

ACCESSION NR: AP3004063

13 figures, 2 tables and 8 formulas.

ASSOCIATION: Fiziko-khimicheskiy institut im. P. Ya. Karpova (Physicochemical
institute)

SUBMITTED: 21Jul62

DATE ACQ: 15Aug63

ENCL: 00

SUB CODE: CH

NO REF SOV: 010

OTHER: 004

Card 2/2

VECHI DOVA, G. I.

Oxidative decomposition of ozonides of isoprene butadiene rubber. A. V. Yakubchik, N. G. Kasalova, G. I. Demyanova, and G. H. Fedotova (State Univ. Leningrad). *Zhur. Obshchei Khim.* 27, 1195-1201 (1957). Reptd. Na butadiene rubber was ozonized in EtOAc and the ozonide was decomposed by AsO_3H in AcOH. No aldehydes were found; the acid products were sep'd. on a SiO_2 column by using the $\text{H}_2\text{O}-\text{CHCl}_3$ solvent pair. These acids were identified as isovaleric, formic, succinic, 1,2,4-butanetricarboxylic, 1,2,4-propanetricarboxylic, and 1,6,8,9-hexanetetracarboxylic acids. These and AcOH were found after H_2O_2 treatment of the above ozonide. The typical chromatograms are shown. G. M. Kosolapoff

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1-4E2C (4)

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L 55177-65 EWT(1)/EPA(s)-2/EWT(m)/EPF(c)/EWF(j)/T/EMA(h)/EMA(c) IJP(c)/
RPL JW/AT/RE

ACCESSION NR: AP5022150

UR/0364/65/001/009/1145/1149

621.315.592:547

9185 B

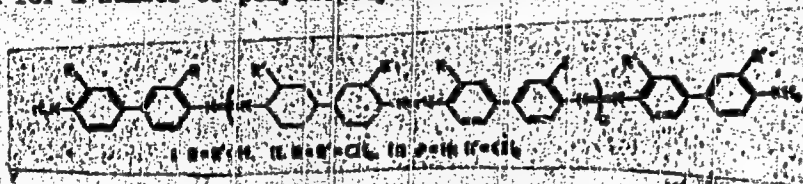
AUTHOR: Demidova, G. N.; Pirtskhalava, R. I.; Rozenshteyn, L. D.; Terpugova, M. P.;
Koblyarevskiy, I. E.

TITLE: Absorption spectra, electrical conductivity, and photoconductivity of poly-
azopolyarenes

SOURCE: Elektrokimiya, v. 1, no. 9, 1965, 1145-1149

TOPIC TAGS: organic semiconductor, organic photoconductor, photoconductivity, elec-
tric conductivity, conjugated polymer

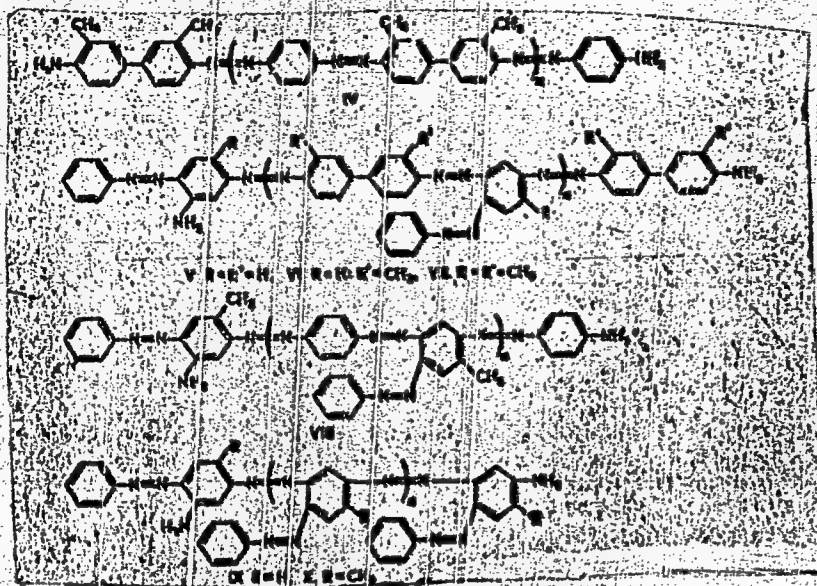
ABSTRACT: Electrical conductivity, photoconductivity and absorption spectra have
been measured for a number of polyazopolyarenes:



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L 65177-65

ACCESSION NR: AP5022150



Card 2/6

L 69177-65

ACCESSION NR: AP5022150

6

The materials were prepared by oxidative polycondensation or copolycondensation of aromatic diamines in the presence of cuprous chloride catalyst. The study of these compounds was prompted by the varying character of conjugation among them. The properties of the compounds are shown in Table 1 of the Enclosure. Electrical measurements were carried out with molded specimens. The temperature dependence of electrical conductivity obeyed an exponential law. For some of the compounds the $\log \sigma$ versus $1/T$ curves showed a break and hence two values of E and σ_0 are given for them in Table 1. Photoconduction was studied with film specimens. In the field range used (up to 5×10^4 v/cm) the photocurrent obeyed Ohm's law. For most films the lux-ampere characteristic was linear. The photocurrent was an exponential function of temperature. The spectral regions of photoconductivity corresponded to spectral regions of optical absorption. Comparison of absolute values of photocurrent for the polymers revealed a sharp drop in photocurrent on going to compounds with decreasing conjugated chain length. Orig. art. has: 6 figures, 1 table, and 5 formulas. [S14]

ASSOCIATION: Institut poluprovodnikov Akademii nauk SSSR (Institute of Semiconductors, Academy of Sciences SSSR); Institut khimicheskoy kinetiki i goreniya Sibirskogo otdeleniya Akademii nauk SSSR (Institute of Chemical Kinetics and Combustion, Siberian Department, Academy of Sciences SSSR) 44,55

Card 3/6

L 65177-65
ACCESSION NR: AP5022150

SUBMITTED: 09Feb65

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SUB CODE: MF, GC

NO REF SOV: 006

OTHER: 000

ATD PRESS: 4089

Card 4/6

L 65177-65

ACCESSION NR: AP5022150

ENCLOSURE: 01

Table 1. Properties of polynitropolyarenes

Diamines	Poly- mer	mp	Solubility	Electrical conductivity data			
				E_1 , ev.	σ_{01} , ohm ⁻¹ cm	E_2 , ev.	σ_{02} , ohm ⁻¹ cm
Benzidine	I	Does not melt until 500°C	Partial in dimethylform- amide	0.65 $< 2.5^\circ$	$1.15 \cdot 10^{-4}$	0.70	2.9
O-Toluidine	II	"	Partial in acetone, ben- zene, chloro- form, dioxane			1.4	$3.65 \cdot 10^2$
O-Toluidine, benzidine	III	268°C	Partial in chloroform, dioxane	0.59 $< 130^\circ$	$7.2 \cdot 10^{-7}$	1.8	$1.82 \cdot 10^{11}$
O-Toluidine, p-phenylenedi- amine	IV	249°C	Partial in acetone, chloroform, benzene			2.1	$1.15 \cdot 10^{13}$
Benzidine, chrysoidene	V	352°C	Partial in chloroform, acetone			2.35	$1.15 \cdot 10^{12}$

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L 65177-65

ACCESSION NR: AP5022150

ENCLOSURE: 02

Table 1. Properties of polyazopolymers (Cont.)

Diimine	Polymer	sp	Solubility	Electrical conductivity data			
				σ_{11} , ohm ⁻¹ cm ⁻¹	σ_{22} , ohm ⁻¹ cm ⁻¹	σ_{33} , ohm ⁻¹ cm ⁻¹	σ_{11} , ohm ⁻¹ cm ⁻¹
o-Toluidine, chrysoidene	VI	286C	Partial in chloroform, acetone	0.84 at 156°	$1.1 \cdot 10^{-6}$	2.1	$1.8 \cdot 10^{11}$
o-Toluidine, methylchry- soidene	VII	212- 217	Partial in benzene, ace- tone, chloro- form, dimethyl- formamide			2.95	$5 \cdot 10^{21}$
p-Phenylene- diamine	VIII	207- 215	Partial in benzene, ace- tone, chloro- form, dimethyl- formamide			3.1	$2 \cdot 10^{22}$
Chrysoidene	IX	276- 278	In benzene, cumene, ace- tone, chloro- form			3.5	$1.1 \cdot 10^{23}$
Methylchry- soidene	X	152	In benzene, cumene, ace- tone, chloro- form			3.15	$6.2 \cdot 10^{23}$

Card

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L 46132-65 EWT(1)/EPA(s)-2/EWT(u)/EPF(c)/SPF(n)-2/EPR/EMP(j)/T/EMP(t)/EMP(b)/
EWA(h) Pz-6/Pe-4/Pr-4/Ps-4/Pt-7/Pet/Pu-4 IJP(c) JD/AT/RM

ACCESSION NR: AF5005897

8/0020/65/160/003/0635/0637/4

AUTHORS: Vannikov, A. V.; Demidova, G. N.; Rozenshteyn, L. D.; Bakh, N. A. 72 B

TITLE: Photoconductivity of organic semiconductors based on polyethylene 16 15

SOURCE: AN SSSR. Doklady, v. 160, no. 3, 1965, 635-637

TOPIC TAGS: photoconductivity, semiconductor, organic semiconductor, polyethylene/
DKSSH 250 xenon lamp, EMU 3 amplifier 21

ABSTRACT: To continue the work on semiconductive properties of polyethylene by A. V. Vardkov and N. A. Bakh (DAN, 149, 357, 1963) and by A. V. Vannikov (DAN, 152, 905, 1963), the photoconductivity of polyethylene samples prepared by the method described by N. A. Bakh, V. D. Bitukov, A. V. Vannikov, and A. D. Grishina (DAN, 144, 135, 1962) was measured. Three specimens (1- without heat treatment, 2 and 3 heated at 360 and 430C respectively) were tested between platinum electrodes in a vacuum of $\approx 10^{-5}$ mm Hg; under monochromatic light from a xenon lamp (DKSSH-250). Since most organic semiconductors are high-resistance devices, an amplifier (EMU-3) with a sensitivity of 1.5×10^{-14} amp/division was used which permitted observation of photoconductivity in all three samples (400 volts were applied). The values of Card 1/17

L 46182-65

ACCESSION NR: AP5005397

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the observed photocurrent depended on the wavelength of the incident light ($\sim 2.2 - 90.10^{-14}$ for a wavelength $\lambda = 600 \text{ m}\mu$ and an incident energy of $\sim 6 \text{ m watt/cm}^2$). It was found that the photoconductivity increased with heat treating (samples 2 and 3) and that up to the full voltage of 400 v Ohm's law was obeyed. Measurements of spectral absorption and photoelectric sensitivity show that the curves drop sharply between $\lambda = 500$ and $800 \text{ m}\mu$ and approach low constant values at higher wavelengths. The temperature dependence of the photoconductivity for several wavelengths of incident light is shown in Fig. on the Enclosure. Orig. art. has: 3 figures.

ASSOCIATION: Institut elektrokhimii AN SSSR (Electrochemical Institute, AN SSSR); Institut poluprovodnikov AN SSSR (Semiconductor Institute, AN SSSR)

SUBMITTED: 07Jul64

ENCL: 01

SUB CODE: 00

NO REF SOV: 005

OTHER: 000

Card 2/3

L 62793-65 EWT(u)/EPP(c)/EPR/EWP(J)/T/DMA(c) Pc-L/Pr-L/Pa-L KW/JAS/EM
 ACCESSION NR: AP5018457
 UR/0354/65/001/007/0876/0880
 621.315.592:547

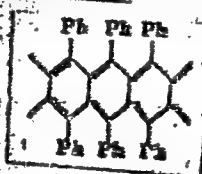
AUTHOR: Davydov, B. E.; Demidova, G. N.; Masirov, F. N.; Pirtskhalava, R. K.;
 Rozenshteyn, I. D.

TITLE: Synthesis of polydiphenyldiacetylenes and their electrical and physical properties

SOURCE: Elektrokimiya, v. 1, no. 7, 1965, 876-880

TOPIC TAGS: polymerization synthesis, acetylene, thermal stability, catalysis, photoelectric current

ABSTRACT: The article is concerned with the investigation of the properties of thermally polymerized diphenyldiacetylene, having the following structure



Card 1/5

I. 62793-65

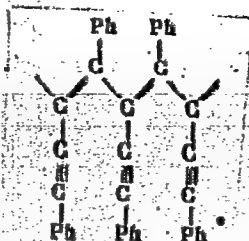
ACCESSION NR: AP5018457

The fact that all hydrogen atoms of the main chain are replaced by phenyl groups accounts for its solubility in chloroform, benzene, ether, dioxane, dimethylformamide and for its high thermal stability. It may be heated as high as 500° C without any significant decomposition. The polymer is a nonfusible dark brown substance. When it is deposited from solution on a substrate it forms a relatively strong film. The kinetic polymerization curves at different temperatures are shown in Fig. 1 of the Enclosure. The cryoscopic data indicates that the molecular weight of the polymer is 1100. Experiments with polymer films show that upon interaction with oxygen under the influence of light this polymer does not have a tendency to form inner peroxides. Diphenyldiacetylene was also polymerized catalytically using a complex catalyst, produced during interaction of triethylaluminum and vanadyl acetylacetonate. The polymer obtained was also soluble in benzene, chloroform and other organic solvents. The thermal stability of this polymer was somewhat lower than in the polymers produced by thermal initiation. The lower stability is explained by the presence of the following structures in the chain

Card 2/6

L. 62793-65

ACCESSION NR: AP5018457



The photoelectric conductivity of thermal polymers is observed in the region where they absorb light. The spectral dependence of the photoelectric current reduced to the same amount of energy incident on the specimen is in good agreement with the absorption spectrum (Fig. 2 of the Enclosure). Catalytic polymers displayed no photoelectric conductivity. An attempt was made to measure the dark current, but it was possible to record it only when the field strength exceeded $2 \cdot 10^4$ V/cm. Orig. art. has: 5 figures.

ASSOCIATION: Institut neftekhimicheskogo sinteza Akademii nauk SSSR (Petrochemical Synthesis Institute Academy of Sciences SSSR)

Card 3/6

L 62793-65
ACCESSION NR: AP5018457

Institut poluprovodnikov Akademii nauk SSSR (Institute of Semiconductors Academy of Sciences SSSR)

SUBMITTED: 09Feb65

ENCL: 02

SUB CODE: OC, EM

NO REF SOV: 005

OTHER: 000

Card 4/6

L 62793-65

ACCESSION NR: AP0018-57

ENCLOSURE: 01

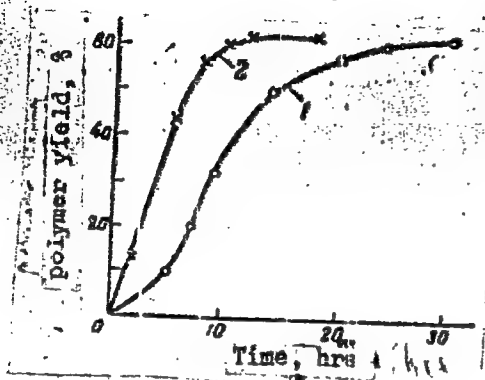


Fig. 1. Kinetic curves for thermal polymerization of diphenyldiacetylene at 106° C (1) and 133° C (2)

Card 5/6

1. 62792-65

ACCESSION NR: AP5013457

ENCLOSURE: 02



Fig. 2. Spectral absorption curves and photoelectric current per unit incident energy, of polydiphenylacetylene, heated at $150^{\circ}C$ for 3 hrs 45 min. The curves on the right are given on smaller scale.

Card 6/6

BUSHE, N.A., doktor tekhn. nauk; ABRAMOV, P.G., inzh.; DEMIDOVA, I.A.,
tekhnik

Corrosion cracking of brass products. Vest. TSNII MPS 23
no.4:38-40 '64. (MIRA 17:8)

DEMIDOVA, I. G.

"Investigation of Processes of High Frequency Heating, Applicable to the Problem of Drying the Products of Agriculture." Sub 26 Jun 51, Moscow
Inst of Mechanization and Electrification of Agriculture imeni V. M. Molotov

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

DEMIDOVA, I. G.

USSR/Electricity - Dielectric Heating Jan 52

"In the House of Engineers and Technicians
Imeni Dzerzhinsky," I. G. Demidova, Cand Tech
Sci

"Elektrichestvo" No 1, p 94

At an expanded meeting of the Dielec Heating
Subsec of VNITOE in Jun 50, V. V. Ustinov and
M. G. Kogan's article "A High-Frequency Unit
With an Oscillatory Circuit of the Cavity
Type" was discussed. Ustinov, in a report,

201117

USSR/Electricity - Dielectric Heating (Contd) Jan 52

gave further data on the unit, which uses G-880,
G-889, or G-450 tubes and operates at fre-
quencies of 60, 50, and 35 Mc. G. I. Babat,
Dr Tech Sci, discussed several problems entering
into the design of similar units for dielec
heating.

201117

BESSONOV, L.A., doktor tekhn. nauk, prof.; DEMIDOVA, I.G.; KOTOVA, L.F.; LINNICHENKO, N.N.; OCHAN, V.V.; SEREDNITSKIY, L.M.; VOSTROKNUTOV, N.G., retsenzent; OLEKSEYEVICH, V.P., retsenzent; FILARETOVA, A.S., retsenzent; ZARUDI, M.Ye., retsenzent; ZAIKA, Ye.V., st. prepod., retsenzent

[Textbook on the theoretical principles of electrical engineering] Zadachnik po teoreticheskim osnovam elektro-tehniki. [By] L.A.Bessonov i dr. Moskva, Vses. zaochnyi energ. in-t, 1963. 212 p. (MIRA 16:10)
(Electric engineering)

GRIGOROV, N.D., kand. ekon. nauk; DEMIDOVA, L.A., kand. ekon. nauk; LACKOSTUP, I.M., kand. ekon. nauk; MAKHIN, T.M., kand. ekon. nauk; TERESHINA, N.Ya., kand. ekon. nauk; LIZINA, A.I., kand. ist. nauk; BURDAKOVA, A.P.; BELYAYEV, Yu.B., преподаvatel' vysshikh uchebnykh zavedeniy; LYUBIN, V.A., преподаvatel' vysshikh uchebnykh zavedeniy; IVANOV, N.A., lektor; KUZ'MICHEV, V.S., lektor; SUBBOTIN, P.M., lektor; RAPPOPORT, G., red.; GRIN', Ye., tekhn. red.

[Development of the economy and culture of the Altai Territory during 40 years of the Soviet regime] Razvitie ekonomiki i kul'tury Altayskogo kraia za 40 let sovetskoi vlasti. Barnaul, Altaiskoe knizhnoe izd-vo, 1957. 229 p. (MIRA 11:5)

1. Zaveduyushchiy kraydravotdelom Altayskogo kraya (for Burdakova).
2. Altayskiy kraykom Kommunisticheskoy partii Sovetskogo Soyuza (for Ivanov, Kur'michev, Subbotin).

(Altai Territory--History)

1. DEMIDOVA, L. A.
2. USSR (600)
4. Plywood
7. Dielectric properties of plywood.
Der. i lesokhim. prom. 1 No. 6, 1952

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

20/11/2011, 12:11
SHEYDIN, I.A., kandidat tekhnicheskikh nauk; RAKIN, A.G., kandidat tekhnicheskikh nauk; DEMIDOVA, L.A., inzhener

Physical and mechanical properties of laminated wood plastics. Der.
prom.4 no.9:12-15 S '55. (MIRA 8:11)

1. Tsentral'nyy nauchno-tekhnicheskii institut fanery i mebeli
(Plywood) (Laminated plastics)

SHENYDIN, Leonid Aronovich, kandidat tekhnicheskikh nauk; SMIRNOV, Aleksandr Vasil'yevich, kandidat tekhnicheskikh nauk; DEMIDOVA, Lidiya Aleksandrovna; RAKIN, A.G., redaktor; SIDEL'NIKOVA, L.A., redaktor izdatel'stva; KARASIK, M.P., tekhnicheskii redaktor

[Technology of wood plastics] Tekhnologiya drevesnykh plastikov.
Moskva, Goslesbumizdat, 1956. 239 p. (MLRA 9:7)
(Wood) (Plastics)

DEMI DOVA, L.A., inzhener.

Laminated wood plastics with improved water-resistance. Der.prom.5
no.9:14-15 S '56. (MIRA 9:10)

1.TSentral'nyy nauchno-issledovatel'skiy institut fanery i mebeli.
(Laminated plastics) (Veneers and veneering)

BANKO, V.P.; DEMIDOVA, L.A.; ILYUSHIN, M.A.; KONDRASHKIN, Ye.P.; kand.
tekhn.nauk; MIRKOVICH, R.A.; PLATNIKOVA, G.P.; POROKHIN, A.A., kand.
tekhn.nauk; RUMYANTSEVA, O.M.; TEMKINA, R.Z., kand.tekhn.nauk; TI-
KHONOV, N.F.; SHVARTSMAN, G.M., kand.tekhn.nauk; SHSYDIN, I.A.,
kand.tekhn.nauk; SMIRNOV, A.V., red.; VOLOKHONSKAYA, L.V., red.
izd-va; BACHURINA, A.M., tekhn.red.

[Veneerer's handbook] Spravochnik fanershehika. Vol.2. 1959.
333 p. (MIRA 13:3)

1. Tsentral'nyy nauchno-issledovatel'skiy institut fanery i mebeli.
(Veneers and veneering)

AMIROVA, S.A.; PECHKOVSKIY, V.V.; DEMIDOVA, I.A.; BOBROVA, I.T.

Oxidation of manganese-vanadium spinel in presence of sodium
chloride. Izv.vys.ucheb.zav.; khim. i khim.tekh. 8 no.2:275-
278 '65. (MIRA 18:8)

1. Permskiy pol'tekhnicheskii institut, kafedra tekhnologii
neorganicheskiki. veshchestv.

DEMIDOVA, L. D.

PA 161T62

USSR/Engineering - Refractories

Feb 50

"Active Oxides in Dead-Burned Magnesites," L. D. Demidova, V. V. Goncharov, 3½ pp

"Ogneupory" No 2, pp 66-69.

Attempts to clarify possibility of using glucose method for evaluating hydration ability of dead-burned magnesite and to develop new approach to evaluating active oxides (MnO and CaO) in magnesite. Concludes concept of active oxides in dead-burned magnesite has no concrete meaning. Explains more intensive hydration during later aging periods as due to protective action of

161T62

USSR/Engineering - Refractories (Contd)

Feb 50

magnesium hydroxide enveloping grains of magnesium oxide, but not to presence of active oxides.

161T62

DEMIDOVA L. D.

181743

USSR/Engineering - Refractories, Jan 51
Mullite

"Concerning the Kinetics of Mullite Formation
in Clays in the Process of Firing," L. D.
Demidova, V. V. Goncharov, Leningrad Inst of
Refractories

"Ogneupory" No 1, pp 23-26

Conducted expt to disprove conclusion of A. I.
Avgustinsk and Ye. P. Ushakova ("Dok Ak Nauk
SSSR" Vol XXXVIII, No 7, 1945, pp 522-524)
that mullite formation reaches max at 1,200°.

181743

USSR/Engineering - Refractories, Jan 51
Mullite (Contd)

Expts showed that mullite yield increases as
temp rises above 1,200°, the phenomenon usually
accepted by all observers.

181743

DEMIDOVA, L.D.; GONCHAROV, V.V.

Free calcium oxide in sintered Satka magnesite. Ogneupery 18 no.5:
221-225 My '53. (MIRA 11:10)

1. Leningradskiy institut ogneuperev.
(Satka—Magnesite) (Calcium oxide)

POPOVA, A.N.; DEMIDOVA, L.P.

Mental disorders in thromboangiitis obliterans. Zhur. nevr. i
psikh. 54 no.10:819-828 0 '54. (MIRA 7:11)

1. Kafedra psikhiatrii Tsentral'nogo instituta usovershenstvovaniya
vrachey i Moskovskaya psikhonevrologicheskaya bol'nitsa imeni P.B.
Gannushkina.

(THROMBOANGITIS OBLITERANS, complications,
ment. disord.)

(MENTAL DISORDERS, etiology and pathogenesis,
thromboangiitis obliterans)

DERMIDOVA, L.P.

Somatic modifications in mental patients treated with aminazine.
Zhur. nevr. i psikh. 56 no.2:172-179 '56 (MLRA 9:5)

1. Psikhonevrologicheskaya bol'nitsa No.4 imeni Gannushkina
(glavnyy vrach-V.N. Rybalka) i kafedra psikhiatrii Tsentral'nogo
instituta usovershenstvavaniya vrachey (zav.-prof. A.V. Snezhnevskiy)

(MENTAL DISORDERS, therapy,
chlorpromazine (Rus))

(CHLORPROMAZINE, therapeutic use,
ment. disord. (Rus))

DEMIDOVA, L.P.; TARASOV, G.K., (Moskva)

Aminazine; a review of foreign literature on the psychiatric use
of a phenothiazine derivatives. Zhur. nevr. i psikh. 56 no.2:192-199
'56. (MLRA 9:5)

(CHLORPROMAZINE, therapeutic use,
ment. disord., review (Rus))
(MENTAL DISORDERS, therapy,
chlorpromazine, review (Rus))

DERMIDOVA, L.P.

Occupational contact dermatitis caused by aminazine. Zhur.nevr. i
psikh. 56 no.4:311-314 '56. (MLRA 9:7)

1. Psikhonevrologicheskaya bol'nitsa No.4 imeni Gannushkina glavnyy
vrach V.N.Rybalko), Moskva
(CHLORPROMAZINE, injurious effects,
dermatitis, contact (Rus))
(DERMATITIS, CONTACT, etiology and pathogenesis,
chlorpromazine (Rus))

CHIRKOVA, L. S.

Effect of autumnal cooling upon the rhythm of development of certain grasses.
Biol. Zhurn. Otd. biol., 57, no 3, 1952.

DEMIDOVA, L.S., SHAVYRINA, A.V., KUZINA, Z.M., FADEYEVA, O.I.,
LEVIN, V.L.

Results of using geobotanical methods in hydrogeological
investigations in Chernozem regions; Trudy VAGT no.1:61-70
'55. (MLBA 9:11)

(Phytogeography) (Chernozem soils)
(Water, Underground)

Demidova, L.S.

USSR / Forestry. Biology and Typology of the Forest. K-2

Abs Jour: Ref Zhur - Biologiya, No. 1, 1958, 1321

Author : Gayel', A.G., Yakshina, A.M., Demidova, L.S.

Title : A Living Pine Windfall in the Urda Sands

Orig Pub: Botan. zh., 1957, 42, No. 5, 756-759

Abstract: Described is an example of a living pine windfall in a growth, near the Zhaskus resort, which had been thinned out by cutting. The growth of the undamaged branch-shoots is described. It is noted that the biggest branch, situated at a distance of 3.9 meters from the root collar, is fertile. Similar pine windfalls are known in the Siberian pine belts. The root system of the pine windfall is described.

Card 1/1

RAFIYENKO, N.I.; DEMIDOVA, L.S.

Metasomatic zoning of reactional contact areas in the eastern slope of
the Kuznetsk Alatau. Geol. rud. mestorozh. 7 no.1:14-22 Ja-F '65.
(MIRA 18:4)

1. Sibirskiy nauchno-issledovatel'skiy institut geologii, goefiziki i
mineral'nogo syr'ya, Novosibirsk.

ACC NR: AT7000188

SOURCE CODE: UR/0000/64/000/000/0162/0170

AUTHOR: Volodarskiy, R. F.; Gilod, D. A.; Demidova, M. A.

ORG: none

TITLE: Sketch map of the present-day surface of the folded basement of the
Ciscaucasus from geophysical data

SOURCE: Moscow. Universitet. Kafedra geofizicheskikh metodov issledovaniya
zemnoy kory. Geofizicheskiye issledovaniya (Geophysical research), no. 1. Moscow,
Izd-vo Mosk. univ., 1964, 162-170

TOPIC TAGS: ^{geologic survey, techniques,} earth crust, gravity survey, magnetic survey/Russian platform,
Ciscaucasus

ABSTRACT: Comprehensive analysis of geologic, geophysical, and borehole materials,
as well as analysis of gravity and magnetic maps recomputed for different levels of
the upper half space, have resulted in a tectonic regionalization of the Ciscaucasus
and the solution of problems dealing with the geologic structure of the area. The
article contains maps of the tectonic zoning of the folded basement of the Cis-
caucasus and the southern regions of the Russian platform and surface of the Paleo-
zoic basement of the Ciscaucasus are given. Orig. art. has: 2 figures.

SUB CODE: 08/ SUBM DATE: 05Nov64/ ORIG REF: 013/

Cord 1/1

DEMIDOVA, M.F.

Intra-uterine dentition. Zdrav. Turk. 5 no.5:39-40 S-0 '61.

1. Iz Krasnovodskogo gorodskogo rodul'nogo doma (glavnyy vrach -
G.M. Gershkovich). (DENTITION)

DEMIDOVA, M.I.

KISELEV, I.I.; BORISOV, N.I.; YASINOVSKIY, B.S., inzh.; SANNIKOV, Yu.K., inzh.;
SOKOLOV, V.A., inzh.; LEVCHENKO, L.D., inzh.; NALOYEV, G.A., inzh.;
CHICHAKOV, K.K., inzh.; BARYKIN, V.I., inzh.; FREYDLIN, A.Ya., inzh.
GULYAYEV, A.I., inzh.; STIGNEYEV, Ya.F., inzh.; SHAGANOVA, K.N., inzh.;
KHELIMSKIY, I.Ye., inzh.; AVROV, A.M., inzh.; DEMIDOVA, M.I., inzh.;
NIKIFOROVA, Ye.D., inzh.; KLIBANOVA, F.I., inzh.; CHIVKUNOV, K.I.,
inzh.; STOROZHKO, I.G., inzh.; NOVAKOVSKIY, Ye.Ye., inzh.; GOYKHTUL',
A.O., inzh.; TARASOV, A.M., inzh.; SHISHKO, A.P., inzh.; UVAROV,
P.T., ekonomist; DRAGUNOV, M.V., ekonomist; KARANDASHOV, A.A.,
ekonomist; KONKIN, M.V., ekonomist; GOREV, M.S., ekonomist. Pri-
nimali uchastiye: LAPIN, T.I.; RAMENSKIY, Yu.A.; KADINSKIY, B.A.;
SOKOLOV, S.D.; STOROZHKO, I.G.; FOMINYKH, A.I.. POLYAKOVA, N.,
red.; SMIRNOV, G., tekhn.red.

[Organization and improvement of production; practices of the
Gorkiy Automobile Plant] Organizatsiia i sovershenstvovanie
proizvodstva; opyt Gor'kovskogo avtozavoda. Moskva, Gos. izd-vo
polit. lit-ry, 1958. 332 p. (MIRA 12:2)

1. Direktor Gor'kovskogo avtomobil'nogo zavoda (for Kiselev).
2. Glavnyy inzhener Gor'kovskogo avtomobil'nogo zavoda (for Borisov).
3. Gor'kovskiy avtomobil'nyy zavod (for all except Kiselev, Borisov,
Polyakova, Smirnov).

(Gorkiy--Automobile industry)

ARIFDZHANOV, M. Kh.; DEMIDOVA, M. I.

Relationship between sulfur and bitumen in the sediments of the Upper Jurassic carbonate formation in the southwestern spurs of the Gissar Range. Uzb. geol. zhur. 6 no.5:17-25 '62.
(MIRA 15:10)

1. Institut geologii i razrabotki neftyanykh i gazovykh mestorozhdeniy AN Uzbekskoy SSR.

(Gissar Range—Sulfur) (Gissar Range—Bitumen)

DEMIDOVA, M.I., student; BELOV, V.V., student; TSFAS, B.S., dotsent,
nauchnyy rukovoditel'raboty

Increasing fatigue resistance of the crankshafts of mine hoists.
Sbor.dokl.Stud.nauch.ob-va Fak.mekh.sel'.Kuib.sel'khoz.inst.
no. 1:134-139 '62. (MIRA 17:5)

1. Kuybyshevskiy sel'skokhozyaystvennyy institut.

DEMIDOVA, M. V.

DEMIDOVA, M. V. : "The internal and external trunk structure of the intercostal humeral nerve in man (anatomical investigation)." Irkutsk State Medical Inst. Irkutsk, 1956. (Dissertations for the Degree of candidate in Medical Sciences.)

SO: Knizhnays Letopsis' No. 22, 1956

DEMIDOVA, N. A.

DEMILOVA, H. A.: "A study of the writings of A. N. Tolstoy in classwork and homework in the tenth class of the intermediate school." Min Education RSFSR. Moscow State Pedagogical Inst imeni V.I. Lenin. Moscow, 1956
(Dissertation for the Degree of Candidate in Pedagogical Sciences)

So : Knizhnaya Letopis', No. 18, 1956

Demidova, N. F.

30-9-45/48

AUTHOR: Demidova, N. F., Candidate of Historical Sciences.

TITLE: Celebration of the 400th Anniversary of the Incorporation of Bashkiria in the Russian Empire. (Prazdnovaniye 400-letiya prisoyedineniya Bashkirii k Russkomu Gosudarstvu).

PERIODICAL: Vestnik AN SSSR, 1957, Vol. 27, Nr 9, pp. 134-137 (USSR)

ABSTRACT: On this occasion a formal session of the Department for Historical Sciences of the Bashkir Branch AN USSR took place in Ufa (June 12-13). The director of the Institute for History, A. I. Kharizov, opened the session with a speech. In the course of the four sessions held, 9 historians talked on the historical development of Bashkiria. Two members of the Academy reported on the cultural and industrial development after the October revolution. The author of this report talked on the social-economic development of the country. N. V. Ustyungov dealt with the epoch of revolts (17th and 18th century). A number of other speakers exclusively devoted themselves to agricultural problems. D. M. Rabinovich gave interesting details on the political situation in the 18th and 19th century as well as on the

Card 1/2

DEMIDOVA, H.G.

Dickite from mercury deposits of Tib (Northern Caucasus).
Vest.Mosk.un.Ser.biol., pochv., geol., geog. 14 no.2:
135-140 '59. (MIRA 13:4)

1. Kafedra poleznykh iskopayemykh Moskovskogo gos.universiteta.
(Tib region--Dickite)

DEMIDOVA, N.G.

Geology of the Tib mercury deposit. Trudy VAGT no.6:31-39 '60.
(MIRA 14:3)

(Caucasus-Geology, Structural)
(Mercury ores)

DEMIDOVA, N.G.

Some structural features of the Tibskoye mercury deposit
in the Northern Caucasus. Izv.vys.ucheb.zav.;geol.i razv.
3 no.2:108-114 # '60. (MIRA 15:5)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.
(Caucasus, Northern--Mercury)
(Caucasus, Northern--Geology, Structural)

DEMIDOVA, N. G.

Dissertation defended at the Institute of the Geology of Ore Deposits, Petrography, Mineralogy, and Geochemistry for the academic degree of Candidate of Geologo-Mineralogical Sciences:

"The Naro-Mamisonskoye Ore Field and Regularities in the Displacement of Mercury Mineralization on the Territory of the Western Part of the Great Caucasus."

Vestnik Akad Nauk, No. 4, 1963. pp. 119-145

SMIRNOV, V.I.; BORODAYEV, Yu.S.; BOCHAROVA, G.I.; GONCHAROVA, T.Ya.;
DEMIDOVA, N.G.; ORLOV, R.Yu.

Characteristics of the igneous activity and metallogeny of
geosynclinal and platform stages in the development of the
western part of the Greater Caucasus. Zakonom.razm.polezn.iskop.
7:210-218 '64. (MIRA 17:6)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

MOZGOVA, N.N.; DEMIDOVA, N.G.

Cinnabar crystals of the Tib deposit (Caucasus). Zap. Vses.
min. ob-va 92 no.3:348-351 '63. (MIRA 17:9)

DEMIDOVA, N.G.

Geological characteristics of the distribution of mercury
mineralization in the Greater Caucasus. Zakonom.razm.polozn.iskop.
7:235-256 '64. (MIRA 17:6)

1. Institut geologii rudnykh mostorozhdeniy petrografii,
mineralologii i geokhimii AN SSSR.

GOL'DBERG, G.A., kand.med.nauk, DEMIDOVA, N.I. (Stalinsk)

Persistent atrioventricular cardiac rhythm. Klin.med. 36 no.5:110-114
My '58 (MIRA 11:7)

1. Iz kafedry terapii (zav. - prof. G.M. Shershevskiy) i kafedry
funktional'noy diagnostiki i fizioterapii (zav. - prof. A.A. Savel'yev)
Stalinskogo instituta usovershenstvovaniya vrachey.
(ARRHYTHMIA, case reports,
persistent nodal rhythm (Rus))

DEMIDOVA, N.M.

Scientific session of the institutes of hygiene and hygiene
departments of medical institutes in the R.S.F.S.R. Gig. 1 san.
no.12:45-48 D '54. (MIRA 8:2)
(HYGIENE
in Russia, meeting)

SOV/137-58-10-21585

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 160 (USSR)

AUTHORS: Raynus, O.S., Demidova, N.M.

TITLE: Investigations of Cast Low-Mn Steel (Issledovaniya litoy niz-komargantsovistoy stali)

PERIODICAL: V sb.: Dokl. 16-y Nauchn. konferentsii prof.-prepodavat. sostava Leningr. inzh.-stroit. in-ta Leningrad, 1958, pp 449-452

ABSTRACT:

From the results of an analysis of the composition and the properties of 1000 successive smeltings of low-Mn steel employed for profile casting of excavator components, the following factors were determined: 1) The limits of C and Mn contents in the steel; 2) the values of σ_s , σ_b , δ , ψ , a_k ; 3) σ_s / σ_b ; 4) the relationship between the a_k values of Charpy and Mesnager impact-test specimens. By processing statistical data, it was established that more than 60% of all melts contain C and Mn in amounts varying between the limits of 0.3-0.38% (0.3-0.4, according to Technical Specifications) and 1.2-1.4% (1.2-1.5%, according to Technical Specifications), respectively. Maxima of curves were observed at the following values:

SOV/137-58-10-21583

Investigations of Cast Low-Mn Steel

σ_s curve, 37 kg/mm²; σ_b curve, 63 kg/mm²; δ curve, at 20%; ψ curve, at 35%; a_k curve (investigations were carried out on 12 specimens) 0.5 kgm/cm² in the case of Mesnager-type specimens, and 3.3 kgm/cm² in the case of Charpy-type specimens. The agreement between the a_k values according to Mesnager and Charpy impact tests was approximately 1.5%. Studies were also performed in order to establish the effect of cooling rate (CR) on the mechanical properties in the range of critical temperatures. The specimens were heated to 900°C and were then cooled in the 900-600° range at rates of 25, 50, 75, 100, and 200-300°/hr. CR's ranging from 25 to 300°/hr did not have any appreciable effect on mechanical properties of specimens. The CR of 100°/hr is the only exception in which the values of a_k and δ are sharply reduced.

I.B.

1. Manganese steel castings--Properties
- Test results
2. Manganese steel castings

Card 2/2

SOV/72-58-11-11/15

AUTHOR: Demidova, N. N.

TITLE: The Use of Cellulose Tissue in Place of Belting in the
Dehydration of the Porcelain Paste (Primeneniye kapronovoy
tkani vzamen bel'tinga pri obezvozhivanii farforovoy massy)

PERIODICAL: Steklo i keramika, 1958, Nr 11, pp 35 - 36 (USSR)

ABSTRACT: After a series of tests carried out by the "Armset" trust
in cooperation with textile industry collaborators, a
testing sample of cellulose tissue was obtained which met the
requirements of ceramic production. Its characteristics are
given in table 1. Its characteristics are compared to those
of the cellulose tissue which is used in the Czechoslovakian
factories. Experiments with this cellulose tissue began in
July of this year on the filter presses of the Slavyanskiy
factory in the "Armset" trust. Table 2 shows the contrac-
tion of this cellulose tissue at different temperatures and
for different time durations. The tests on the cellulose
tissue so far show that it is far superior to the belting.
At present a second experimental sample of the cellulose
tissue is being investigated on the presses of the Yuzhno-
Ural'skiy factory. There are 2 tables.

Card 1/2

L 36224-65 EMP(e)/EPA(s)-2/EMI(m)/EPF(c)/EPF(n)-2/EMP(v)/EPR/EPA(w)-2/T/EP(h)
 Pub-10/Pr-4/PS-4/Pt-10/Pu-4 WH/WH
 ACCESSION NR: AF5010289 UR/0286/64/000/014/0089/0050

AUTHOR: Voronkov, G. N.; Buchenkova, A. F.; Magidovich, V. I.; Demidova, N. S.

TITLE: Ceramic paste. Class: 80, No. 16/228

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 14, 1964, 89-90

TOPIC TAGS: ceramic product, electric insulator

Translation: A ceramic paste based on a raw material with a high $K_2O:Na_2O$ ratio and used mainly for making high-voltage insulators. In order to produce articles with a low electrical loss tangent value and a high volumetric resistivity, the paste contains 31-40% by weight of quartz-sericite shale as a fluxing component and source of aluminum oxide.

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy elektrokeramicheskii institut
 (State Scientific Research Electroceramic Institute)

SUBMITTED: 09Apr63

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SUB CODE: MT, EE

NO REF SOV: 000

OTHER: 00

JPRS

BAGDASAROV, A.A., prof.; AL'PERIN, P.M., prof.; DEMIDOVA, N.V.; SHAROVA, Yu.A.

Effect of anticoagulants on the blood coagulation system in myocardial infarct and stenocardia. Terap. arkh. 31 no.11:3-12 N '59.

(MIRA 13:3)

1. Iz TSertal'nogo ordena Lenina instituta gematologii i perelivaniya krovi (direktor - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov).

(ANGINA PECTORIS ther.)

(MYOCARDIAL INFARCT ther.)

(ANTICOAGULANTS ther.)

USSR/Diseases of Farm Animals. Diseases Caused by Helminths

R

Abstr Jour : Ref Zhur - Biol., No 19, 1958, No 88260

Author : Davidova N.V.

Inst : Moscow Veterinary Academy

Title : Epizootology of Bunostomosis in Sheep

Orig Pub : Tr. Mosk. vet. akad., 1957, 19, No 1, 527-558

Abstract : When under the conditions of the Central European part of USSR the biology of *Bunostomum trigonocephalum* and epizootology of the disease caused by it were investigated, the following results were obtained. Mainly, partially mature *Bunostomum* are localized in the jejunum and in the upper part of the ileum. Larvae of the 4th stage are localized in the lungs, and larvae of the 5th stage in the abomasum and in the jejunum. They are detected in these organs on the 12th-17th days after infection. Basically, infection of sheep with *Bunostomum trigonocephalum* disease occurs during the warm summer months of the pasture season. In experimental

Card : 1/2

25

DEMIDOVA, N.V., aspirant

Bunostomatosis in sheep [with summary in English]. Veterinariia 35
no. 7:50-55 J1 '58. (MIRA 11:7)

(Parasites--Sheep)

DEMIDOVA, N. V., Candidate Vet Sci (diss) -- "The epizootiology of sheep bunostomosis under the conditions of Moscow Oblast". Moscow, 1959. 16 pp (Moscow Vet Acad of the Min Agric USSR), 140 copies (KL, No 22, 1959, 119)

AL'PERIN, P.M., prof.; DEMIDOVA, N.V. (Moskva)

Blood proteins in patients with myocardial infarction and stenocardia. Vrach. delo no.10:54-58 0 '61. (MIRA 14:12)

1. Tsentral'nyy institut gematologii i perelivaniya krovi.
(HEART—DISEASES) (BLOOD PROTEINS)

BAGDASAROV, A.A., prof. [deceased]; AL'PERIN, P.M., prof.; DEMIDOVA, N.V.;
SHAROVA, Yu.A.

Blood coagulation system in coronary insufficiency and the influence
of anticoagulant therapy on it. Terap.arkh. 33 no.11:16-26 '61.

(MIRA 15:5)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i pereli-
vaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.
Bagdasarov [deceased]).

(CORONARY HEART DISEASE) (ANTICOAGULANTS (MEDICINE))

DEMIDOVA, N.V.

Electrophoretic study of serum lipoproteins in coronary insufficiency. Terap.arkh. no.8:46-53 '62. (MIRA 15:12)

1. Iz gemoterapevticheskoy kliniki (zav. - prof. P.M. Al'perin)
TSentral'nogo ordena Lenina instituta gematologii i perelivaniya
krovi (dir. -- deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov).
(CORONARY HEART DISEASE) (LIPOPROTEINS)
(ELECTROPHORESIS)

ALPERIN, P.M.; DEMIDOVA, N.V.; SHAROVA, Y.A.

The correlation between protein and lipoprotein changes and the coagulation-anti-coagulation system of the blood in acute coronary insufficiency. Cor vasa 5 no.4:244-251 '63.

1. The Haemotherapeutic Clinic of the Central Institute for Haematology and Blood Transfusion, Moscow.

(MYOCARDIAL INFARCT) (ANGINA PECTORIS)
(BLOOD PROTEIN DISORDERS) (LIPOPROTEINS)
(BLOOD COAGULATION)

DEMIDOVA, N.V.

Electrophoretic examination of the plasma protein fractions in coronary insufficiency. Kardiologiya 2 no.3:78-82 My-Je '62.

(MIRA 16:4)

1. Iz gemoterapevticheskoy kliniki (zav. - prof. P.M.Al'perin)
TSentral'nogo ordena Lenina instituta gematologii i
perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof.
A.A.Bagdagarov [deceased]).

(BLOOD PROTEINS) (CORONARY VESSELS--DISEASES) (ELECTROPHORESIS)

DEMIDOVA, N.V. (Moskva)

Blood protein changes in patients with resected stomach; data
of paper electrophoresis. Klin. med. 41 no.2:30-34 F#63
(MIRA 17:3)

1. Iz gemoterapevticheskoy kliniki (zav. - prof. P.M. Al'perin)
TSentral'nogo ordena Lenina instituta gematologii i perelivaniya
krovi (dir. - dotsent A. Ye. Kiselev).

AL'PERIN, P.M., prof.; SHAROVA, Yu.A.; DEMIDOVA, N.V.

Dynamics of blood coagulation indices in the development of
coronary thrombosis. Sov. med. 27 no.8:16-20 Ag '64.

(MIRA 18:3)

1. Gemoterapevticheskaya klinika (zav. prof. P.M. Al'perin)
TSentral'nogo ordena Lenina instituta gematologii i perelivaniya
krovi (dir.- dotsent A.Ye. Kiselev), Moskva.

BARANENKO, V.A.; DEMIDOVA, N.Ye.; CHIKARENKO, A.L.

Observations of lunar occultations of Uranus and stars in Dnepropetrovsk.
Astron.tsir. no.231:27-28 N '62. (MIRA 16:4)

1. Dnepropetrovskiy gosudarstvennyy universitet.
(Occultations)

DEMIDOVA, N.Ye. ; SOLOV'YEV, V.Ye.; YAROSHEVICH, S.V.

Observations of the illumination during the total solar eclipse
of February 15, 1961. Astron.tsir. no.227:5-7 F '62. (MIRA 16:1)

1. Dnepropetrovskiy gosudarstvennyy universitet.
(Eclipses, Solar--1961)

DEMIDOVA, N.Ye.; SOLOV'YEV, V.Ye.; YAROSHEVICH, S.V.

Observation of the lunar occultation of Venus on October 7,
1961. Astron. tsir. no.228:32-34 Ap '62. (MIRA 16:6)

1. Dnepropetrovskiy gosudarstvennyy universitet.
(Occultations)